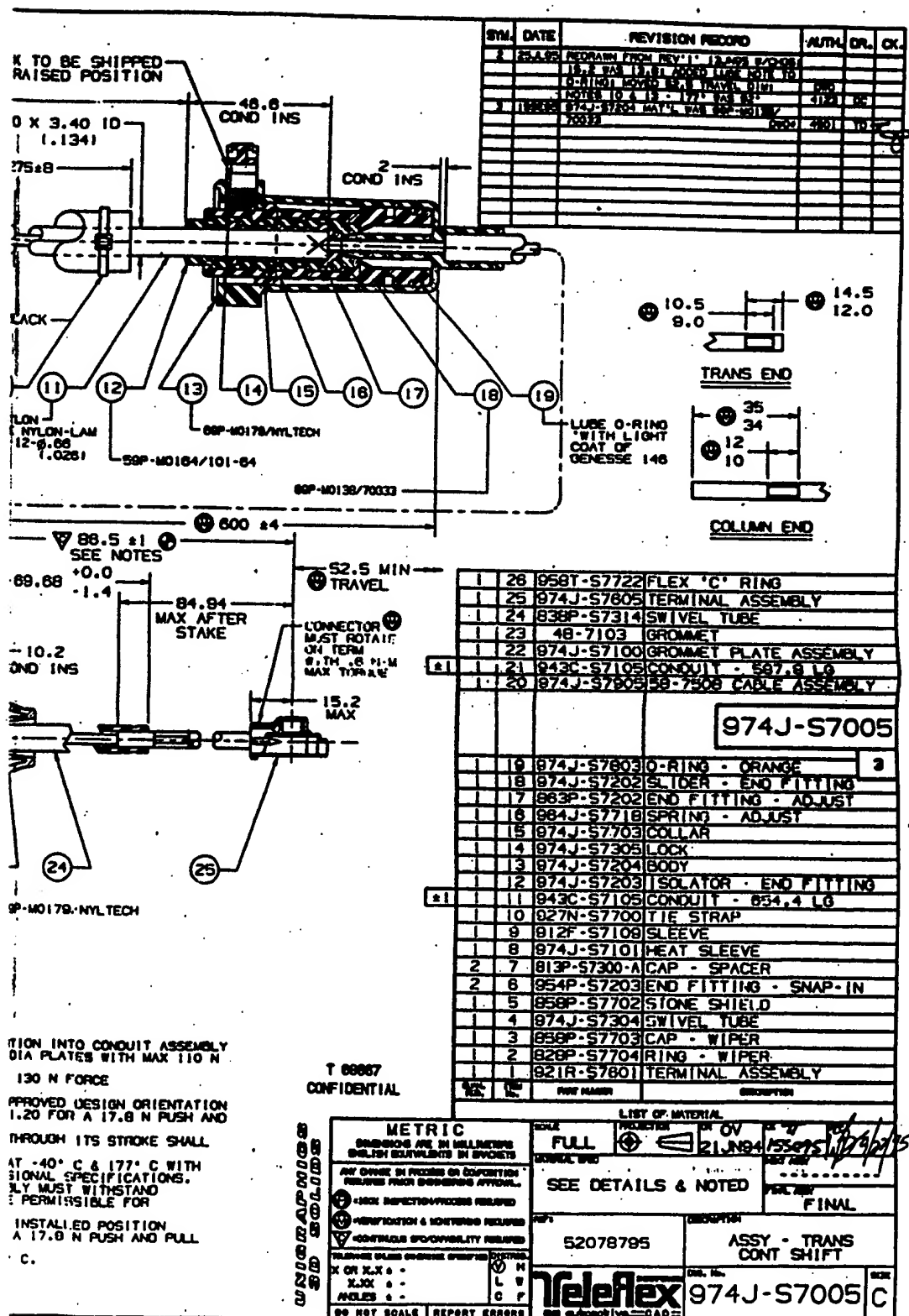
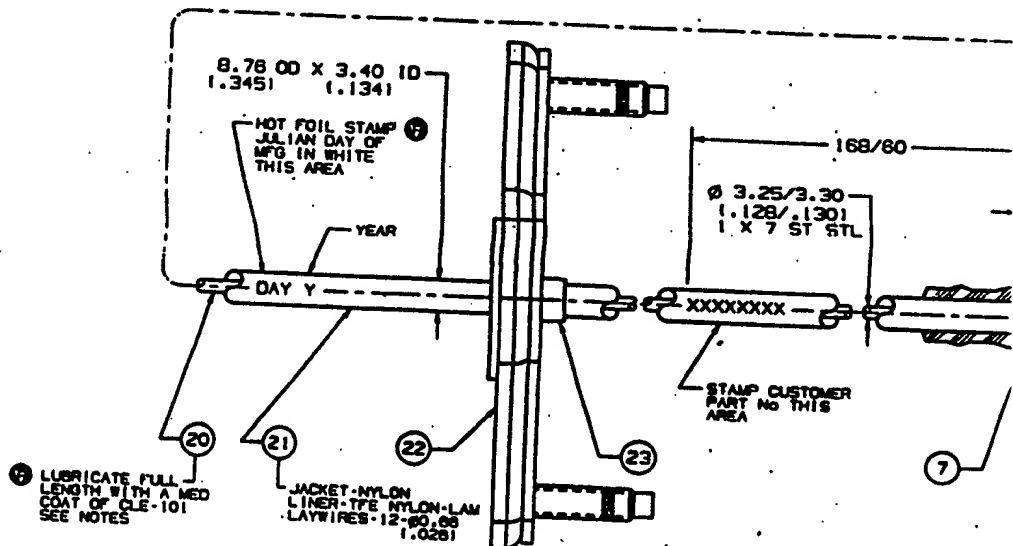
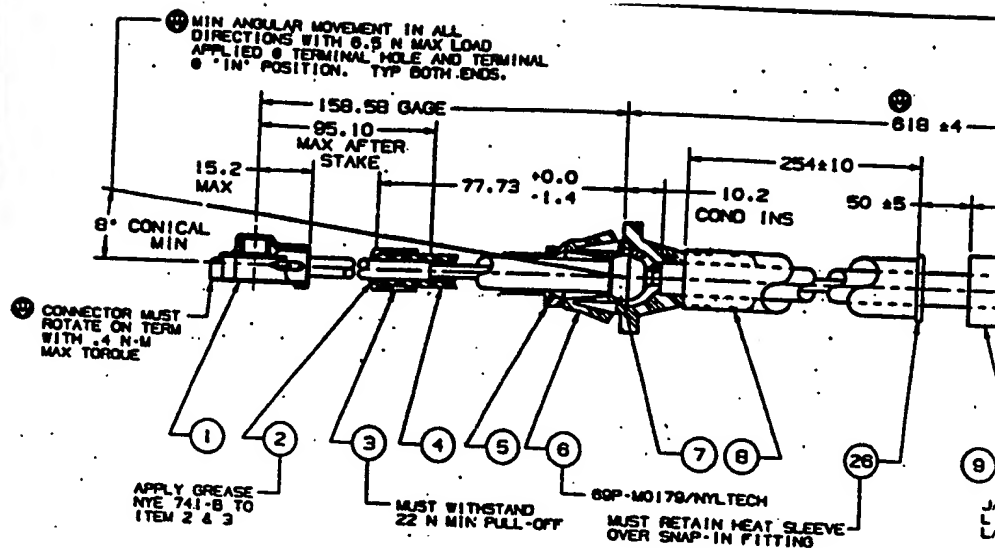


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NOTES:

1. ALL DIMENSIONS NOT TOLERANCED ARE FOR REFERENCE ONLY.
2. PROCESS CONDUIT PER ESDC-7100 BOTH ENDS.
3. CONDUIT & END FITTINGS MUST WITHSTAND 445 N TENSION & COMPRESSION WITHOUT SLIPPING OR CRACKING.
4. TERMINAL & CORE MUST WITHSTAND 850 N PULL WITHOUT SLIPPING, YIELDING, OR CRACKING.
5. CABLE MUST BE CLEAN AND FREE OF DIRT AND OTHER FOREIGN MATERIAL PRIOR TO APPLICATION OF LUBE AND FORCE AND WITHSTAND 450 N MIN. PULL-OUT LOAD.
6. FLOOR/COLUMN END FITTING END FITTING MUST SNAP INTO 2.95/2.20 THK AND APPROPRIATELY KEYED 20.30/ TRANS END FITTING MUST SNAP INTO 2.80/3.20 THK AND APPROPRIATELY KEYED 32.40/32.70 DIA PLATES W/ BACKLASH - DIMENSION & TOLERANCE MARKED ⑩ IS TO BE QUALIFIED @ 133.58 WITH CONTROL ROUTED IN MAN BY ENGINEER, OPPOSITE END GAGED & FIXED AT 111.5. QUALIFICATION SHALL INCLUDE A MAX TOTAL BACKLASH PULL LOAD AT 22.2° C AND 0 CYCLES.
7. OPERATION EFFORTS - WHEN ROUTED IN INSTALLED POSITION THE FREE STATE EFFORT REQUIRED TO MOVE THE NOT EXCEED 13.3 N AT 22.2° C.
8. DURABILITY - IN INSTALLED ROUTING, ASSEMBLY MUST CYCLE THROUGH MIN SPECIFIED TRAVEL FOR 50,000 C RATE OF 10 CPM MIN WITH AN OUTPUT LOAD OF 89 N WITHOUT FAILURE OF ANY PHYSICAL PART OR EXCEEDING A TENSILE LOAD OF 650 N & A COMPRESSIVE LOAD OF 180 N. NO YIELDING, PERMANENT DEFORMATION OR CRACK EITHER MODE.
9. LIFECYCLE BACKLASH - DIMENSION & TOLERANCE IS PERMISSIBLE FOR THE COMPRESSION MODE @ 22.2° C. AND OPPOSITE END GAGED AND FIXED AT 111.5. QUALIFICATION SHALL INCLUDE A MAX TOTAL BACKLASH OF 2. LOAD AT 22.2° C AFTER 50,000 CYCLES.
10. CONTROL MUST OPERATE AND MAINTAIN DIMENSIONAL AND PERFORMANCE CRITERIA FOR A TEMP RANGE OF -40° T WITH 1" GAGE LENGTH CHANGE - CONTROL FULLY FUNCTIONAL. 2 SECOND LOAD RAMP UP, .1 SECOND HOLD LOAD, FULL RELEASE 100 CYCLES.
11. CONTROL MUST PASS 200 LB ADJUSIVE PULL-OUT PARK LOAD FROM -40°C TO 177°C TEMP
12. HOLD LOAD, FULL RELEASE 100 CYCLES.